PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

(11) International Publication Number:

WO 95/17303

B32B 7/02, 27/36, G02B 27/28, 5/30

A1

(43) International Publication Date:

29 June 1995 (29.06.95)

(21) International Application Number:

PCT/US94/14323

(22) International Filing Date:

20 December 1994 (20.12.94)

(30) Priority Data:

08/171,239

21 December 1993 (21.12.93)

(71) Applicant: MINNESOTA MINING AND MANUFACTUR-ING COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(72) Inventors: OUDERKIRK, Andrew, J.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). WEBER, Michael, F.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). JONZA, James, M.; P.O. Box 33427, Saint Paul, MIN 55133-3427 (US). STOVER, Carl, A.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(74) Agents: JORDAN, Robert, H. et al.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

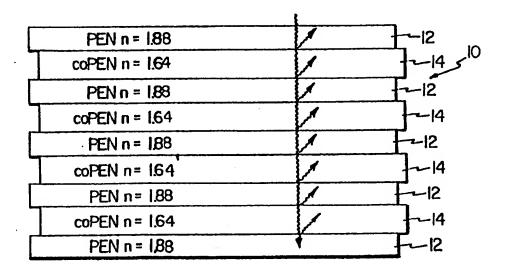
(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: MULTILAYERED OPTICAL FILM



(57) Abstract

The present invention includes a multilayered polymer film (10) comprising a body of a plurality of alternating layers (12) of a crystalline naphthalene dicarboxylic acid polyester and another selected polymer (14) wherein the layers have a thickness of less than 0.5 micrometer and wherein the crystalline naphthalene dicarboxylic acid polyester layer has a higher index of refraction associated whith at least one in-plane axis adjoining layers of the selected polymer.